### REMARKS

Claims 1, 2, 4, 5, and 42-47 are all the claims presently pending in the application. Claim 1 is amended. Claims 46 and 47 are added. Claims 3 and 6-41 are canceled. No new matter is added.

It is noted that the claim amendments are made only for more particularly pointing out the invention, and <u>not</u> for distinguishing the invention over the prior art, narrowing the claims or for any statutory requirements of patentability. Further, Applicants specifically state that no amendment to any claim herein should be construed as a disclaimer of any interest in or right to an equivalent of any element or feature of the amended claim.

The contents of the present Office Action are addressed in the following discussion.

# I. THE 35 U.S.C. § 101 REJECTION

Claims 1, 2, 4, and 5 stand rejected under 35 U.S.C. § 101 as allegedly being directed to nonstatutory subject matter. Specifically, the Office alleges that "the scope of a 'data storage medium' covers a signal per se." (Office Action at page 3, paragraph 5.)

While Applicants <u>disagree</u> with this rejection, to expedite prosecution, claim 1 is amended to recite a "<u>non-transitory</u> data storage medium" to alleviate the Office's concerns and render this rejection <u>moot</u>. <u>However</u>, Applicants note that "non-transitory" data storage media includes <u>all data</u> storage media, with the sole exception being a transitory, propagating signal.

Therefore, Applicants respectfully request the Office to withdraw this rejection.

#### II. THE PRIOR ART REJECTION - The Kato Reference

Claims 1, 2, 4, 5, and 42-45 stand rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by Kato et al. (U.S. Patent Publication No. 2002/0145702 A1).

Kato discloses continuous reproduction commanding of audio/visual (AV) streams. (Kato at Abstract.) The Office alleges that Kato anticipates each and every feature of the claims. <u>However</u>, Applicants respectfully <u>disagree</u> and submit that Kato <u>fails</u> to teach or suggest each and every limitation and element recited in these claims. As a result, <u>this rejection is improper</u> and <u>unsupported by Kato</u>, and, <u>thus</u>, should be <u>withdrawn</u>.

Specifically, MPEP § 2131 provides that "[a] claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior

art reference." <u>Verdegaal Bros. v. Union Oil Co. of CA</u>, 814 F.2d 628, 631 (Fed. Cir. 1987). "The identical invention must be shown in as complete detail as is contained in the . . . claim." <u>Richardson</u> v. Suzuki Motor Co., 868 F.2d 1226, 1236 (Fed. Cir. 1989).

The Office clearly fails to show that Kato meets this burden and errs in its application of Kato to the present claims. Specifically, Kato fails to teach or suggest a non-transitory data storage medium for use with a recording and/or reproducing apparatus, "comprising . . . a third file comprising navigation data including at least one command, each command controlling reproduction of a corresponding reproduction information unit", as recited, for example, in claim 1 and somewhat similarly with respect to apparatus of claim 42.

The Office alleges that the third file of the present invention corresponds to the thumbnail of Kato. The Office alleges that mark information is stored in either a Menu.thmb or Mark.thmb at lines 4-5 from the bottom in page 4 of the present Office Action.

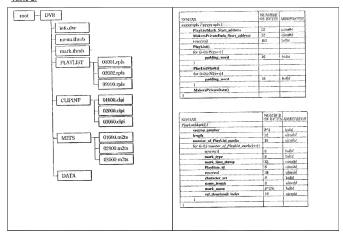
<u>However</u>, referring to Table 1 provided herewith, clip mark is included in zzzz.clpi, and the zzzz.clpi is included in CLIPINF, and the CLIPINF is separate from the Menu.thmb or the Mark.thmb. Accordingly, the indication that the mark information is stored in either a Menu.thmb or Mark.thmb. is unreasonable.

Table 1.

ot DVR	SYNTAX	NUMBER OF GYTES	AUREMENTATION
	Footsychon I		
info.dwr	STC_Info_Start_address	32	Diggreelti .
	Programhelo Start address	32	uismisf
nienu.fluub	CPI_Start_address	32 32	numetof
A	ChpMark_Start_address	39	uirmshf
mark.thmb	MakersPrivateGuta_Start_address	32	ulanolit
	reserved	96	bsthi
PLAYLIST 101001.rpfs		1.00	1068100
	(Siplate()		
02002.rpls	Joe (j.40;(NE;++))		
	padding word	16	belt4
L. 99999.rpls	3		
L	STC_Info()		
	for (j=0;i=N2;i++){	1	
CLIPINF - 01000.chpi	padding word	16	bullbi
	3	1	
02000:clpi:	Programbsful)		
	for (i=0s+N3s++)(	1	
03000.clpi	padding word	16	bulbi
	pasting www		MANUAL
P	CPR)		
MZ1S 101000.m2ts	for (I=034N43++).		
		+	
- 02000 m2ts	padding word	18	halhi
□ 03000 m2ts	ClipMark()	<del>_</del>	
	Jar ((ell)-(NS3+e))		
[	padding word	1 16	bsibi
L- DATA	L   L   L   L   L   L   L   L   L   L		
	MakersPrivateBata()		
		1	
	SCHTAX Ch-Marketi	MANAGER GE MYLKS	ANUREYISTER
	* necesiono, econostere	84	South
	Scougth.	72	oktostof
	emerger of Clip marks	16	raine-shd
	for Gelt invariant of elly more, is a		bie(bif
	neserved	8 8	bellst
	mark_type	32	rejound.
	STC_auquence_ld	8	olmond.
	Crearyon In	24	beitet
	sharacter, set	8	balbf
	marre, length	8	scientisti .
	mark name	er 256	bilbí
		19	ulmshf
	teX_sfeconfectal limber		

<u>Further</u>, referring to Table 2 included herewith, playlist mark is included in xxxx.rpls, and the xxxx.rpls is included in PLAYLIST, and the PLAYLIST is separate from the Menu.thmb or the Mark.thmb. Accordingly, the indication that the mark information is stored in either a Menu.thmb or Mark.thmb, is <u>unreasonable</u>.

Table 2:



<u>Further</u>, referring to table 3 included herewith, Thumbnail() included in the Menu.thmb/the Mark.thmb just contains information on the corresponding thumbnail picture, but <u>never</u> has a command controlling of reproduction of the corresponding reproduction information unit.

Table 3:

SYNTAX	NUMBER OF FYTES	ARBREVIATES
messu thunk/mark.ihm&@ (		
reserved	259	beibf
Thorobazili)		
for (i-tip:/Ntpa+)		
padding_word	36	Seller
)		1

[4976] The mark-thurb file stores a mark thumband picture, that is a picture representing a mark point. The totality of mark thumband is corresponding to the totality of Play1ists and Clips are stored in the sole mark thumb file. Since the thumband is are frequently added or deleted, the operation of addition and partial deletion must be executable readily and speedily. For this casson, Thumband () has a block structure, Picture data is divided into plant portons each of which is stored in one in block. One picture data is stored in consecutive in placks. In the string of in plotocks, there may exist a ta\_block not in use. The byte length of a sole thumband picture is variable.

ONIAX	NEWSTER OF HER THE	ARREVADO
Phonebrasi 01	1	
version number	8*4	cites
longth	1.82	(dash)
if Bength :-04	1	
fie Jibooks start address	3.5	bulbs.
sunder of thoubusik	16	edisset?
to Mack sine	16	silvane)
number of m blocks	16	security.
ecocraval	16	2018d
for 6-0, traunter of shoobsold; i++)!		
thumbned index	26	transpare 1
thumbaset picture format	8	billed
reserved	8	helid
picture plate, size	32	interests.
start to block number	145	sároshí
x_picture_length	345	viewhf
y_picture_kngth	\$46	ustrasht'
murrord	145	uitreid
1	T	Ī
stuffing legies	8:2:13	tolis
for (k+0; k consider of an industrialism) t	1	
to block	in block.	
	size*1024*h	[
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	T	

Accordingly, the indication that the third file of the present invention is taught or suggested by the thumbnail of Kato is <u>unreasonable</u>. <u>Indeed</u>, the "mark information" of Kato, which the Office alleges teaches the third file of the present claims, <u>fails</u> to teach or suggest "at least one command . . . controlling reproduction of a corresponding reproduction information unit." Specifically, according to the Office's reasoning, paragraphs [0156]-[0158] and [0368]-[0376] and Figures 75, 78, and 79 of Kato teaches that the "mark information" controls or is involved in controlling reproduction of a Playlist. The Office alleges that this teaches "at least one command . . . controlling reproduction of a corresponding reproduction information unit."

However, none of these portions of Kato teaches or suggests the "mark information" having any relation to a command that controls reproduction of a corresponding reproduction information unit. In other words, the mark information fails to control anything resembling a Playlist, which, according to the Office, allegedly teaches the reproduction information unit of the present claims. Indeed, the Office must show that such a relationship exists in order to show that this feature of the present claims is taught or suggested by Kato. However, the Office fails to do this. Thus, in view of the Office's interpretation, Kato clearly fails to teach or suggest the third file of the present claims.

<u>Further</u>, Kato <u>clearly fails</u> to teach or suggest a non-transitory data storage medium for use with a recording and/or reproducing apparatus, "<u>comprising . . . a first file comprising at least one clip, each clip comprising audio visual stream data and a timemap comprising information on</u>

reproduction time when the audio visual stream data is reproduced and information on a reproduction position of the audio visual stream data corresponding to the reproduction time", as recited, for example, in claim 1 and somewhat similarly to the claimed recording apparatus of claim 42. (Application at paragraph [0030].)

The Office alleges that this feature is taught at Figure 14 and paragraphs [0194]-[0197], [0220], [0337], and [0340] of Kato. <u>However</u>, these portions of Kato <u>completely fail</u> to teach or suggest the clip of the present claims as is <u>clearly defined</u> in the original specification. Specifically, the "Clip" of Kato is merely "a database of the AV stream". (Kato at paragraphs [0150], [0155], etc.)

While Kato at paragraph [0194] teaches that the "Clip" includes information regarding "finding a data address in the Clip AV stream file at which to start the data readout when a time stamp of the access point to the Clip is afforded", it is clear from the above-referenced paragraphs that the "Clip" of Kato does not include the AV stream. Indeed, paragraphs [0194] and [0220] of Kato even mention a "Clip AV stream file".

However, the above-referenced "Clip AV Stream file" has clearly served to mislead the Office in its interpretation of Kato and the present claims. The "Clip" of Kato clearly refers to the AV stream file, but the "Clip" of Kato never includes either the "AV Stream file" or the "Clip AV Stream file" of Kato. The AV streams of Kato, including the "Clip AV Stream file" of Kato, are simply referred to by the "Clip" of Kato and are not included in the "Clip" of Kato. Indeed, Applicants respectfully submit that Kato clearly fails to teach or suggest the clip of the present claims, and, thus, clearly fails to teach or suggest the first file of the present claims.

In addition, the Office alleges that Kato teaches the second file of the present claims. For example, the Office alleges that Playlists of Kato teach the second file of the present claims. However, Applicants respectfully submit that the Office is erroneously interpreting the present claims in view of Kato. Specifically, paragraph [0150] of Kato defines a "PlayList" as "a database of a group . . . of playback domains (Playltem) of the AV stream . . . " This clearly has absolutely nothing to do with the second file or the reproduction information unit of the present claims. Indeed, the reproduction information unit includes information indicating a reproduction interval of a corresponding clip.

<u>Further</u>, Applicants respectfully <u>cannot understand</u> the Office's rationale regarding the rejections of claims 4, 5, 44, and 45. Specifically, the Office's rejection of these claims fails to

<u>address the existence of multiple layers</u>. The Office is reminded that the claims <u>must be interpreted in light of the specification</u>. <u>Moreover</u>, the Office is <u>not permitted</u> to <u>ignore</u> limitations that exist within the claims. <u>Indeed</u>, one having ordinary skill in the art would <u>clearly find</u> that the Office's rationale with respect to the above-referenced claims <u>completely fails</u> to address the existence of multiple layers.

Therefore, for at least the above-referenced reasons, the Office clearly fails to make a prima facie case of anticipation in view of Kato with respect to the present claims. Accordingly, Applicants respectfully request the Office to reconsider and withdraw this rejection.

## III. NEW CLAIMS

New claims 46 and 47 are added to claim additional features and to provide more varied protection. These claims are independently patentable because of the novel and nonobvious features recited therein.

Applicants submit that the new claims are patentable at least for analogous reasons to those set forth above.

#### IV. CONCLUSION

In view of the foregoing, Applicants submit that claims 1, 2, 4, 5, and 42-47, all the claims presently pending in the application, are patentably distinct over the prior art of record and are in condition for <u>allowance</u>. The Office is respectfully requested to pass the above application to issue at the earliest possible time.

Should the Office find the application to be other than in condition for allowance, the Office is requested to contact the undersigned at the local telephone number listed below to discuss any other changes deemed necessary in a telephonic or personal interview.

Respectfully Submitted,

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